The Singapore Bioimaging Consortium (SBIC)
presents a seminar

on

"Nutrient Sensing and Metabolic Communication"

Speaker: **Dr Yang Xiaoyong**
Associate Professor
Yale University School of Medicine
Host : **Dr Han Weiping**
Date : **Friday, 4 March 2016**
Time : **11.00am – 12.00noon**
Venue : **SBIC Seminar Room**
11 Biopolis Way
Level 2, Helios Building, Singapore 138667
(Please enter via Level 1)

Abstract

Nuclear, cytoplasmic, and mitochondrial proteins are extensively modified by O-linked β-N-acetylglucosamine (O-GlcNAc) moieties. This sugar modification regulates fundamental cellular processes in response to diverse nutritional and hormonal cues. The enzymes O-GlcNAc transferase (OGT) and O-linked b-N acetylglucosaminase (O-GlcNAcase) mediate the addition and removal of O-GlcNAc, respectively. Because aberrant O-GlcNAcylation has broad implications in obesity and diabetes, unraveling the role of O-GlcNAc in metabolic regulation is of emerging importance. Dr Yang will present his recent discoveries on the physiological and pathological roles of protein O-GlcNAcylation at the interface of brain and peripheral tissues.

About the Speaker

Dr Yang Xiaoyong is an Associate Professor of Comparative Medicine and of Cellular & Molecular Physiology at Yale University School of Medicine. He received B.S. from Nankai University, M.S. from Peking University, and PhD from University of Alabama at Birmingham with Dr Jeffrey Kudlow. He completed his postdoctoral training with Dr Ronald Evans at The Salk Institute. Dr Yang has published in Cell, Nature, Genes & Development, Cell Metabolism, PNAS, etc., and been frequently invited to speak at national and international conferences and academic institutions. Research in his laboratory is supported by The National Institutes of Health, The State of Connecticut, American Diabetes Association, American Cancer Society and Ellison Medical Foundation.

--- Admission is free and all are welcome ---